

Genexis Pulse

Pulse-Series

The heartbeat in your home



Pulse is a 4x4 In-Home WiFi extender/repeater with outstanding WiFi performance, improving coverage throughout the home. Pulse can seamlessly be integrated into a home when using any residential gateway, such as the Genexis Platinum Series or the FiberTwist P3000-Series.

Key features

- Small size, flexible placement options
- Easy to manage via TR-069
- Latest WiFi technology: MU-MIMO (Multi-User, Multiple Input, Multiple Output) and next gen WiFi 802.11ac Wave 2
- 4x4 radio technology: extended coverage and increased performance
- WMM for advanced Quality of Service
- Easy set-up/installation
- Seamless interoperability with large variety of residential gateways
- Wall mount compatible

Pulse eliminates dead zones, boosts WiFi coverage and keeps all devices connected. Equipped with the latest WiFi technology, it delivers the speed required for high quality music and video streaming, gaming and much more.

Power to the end-user and the service provider

Pulse serves the end-user with the latest WiFi technology covering all speed and connection requirements.

Service providers benefit from the extensive management options, the easy installation and the quality and reliability. Pulse combines a minimal form factor with maximum performance.



Product features and specifications

Genesis Pulse

General specifications

Dimensions (H x W x D)	30x125x125 mm
Weight approx.	190 g
Power supply voltage	12 Vdc ± 5% 2A
Power consumption	max. 5.1 W
Operating temperature	0 - 45 °C
Storage temperature	0 - 70 °C

WAN interface

- 1x10/100/1000 BASE-T Ethernet port

LAN interface

Up to 4 1000/100/10Base-T RJ45 interfaces
LED indicators for link and activity

WLAN interface

- Integrated 802.11n 2,4 GHz WiFi
- Access with internal MIMO 2x2 antennas
- Integrated 802.11ac 5 GHz WiFi
- Access with internal MU-MIMO 4x4 antennas

USB interface

1x1A USB 2.0 port

Wireless features

802.1x, WEP, WPA, WPA2, TKIP, AES, 802.11i
WMM for advanced Quality of Service
MU-MIMO and next gen WiFi
802.11ac Wave 2
4x4 radio technology
Multiple SSID
Hidden SSID

Operating System support

- Windows® 7
- Windows® 8
- Windows® 8.1
- Windows® 10
- Mac OS X 10.4 or higher

User interfaces

- 1 x Reset button
- 1x LAN interface
- 1 x Power connector

Management and control

- TR-069
- SNMP
- CLI
- Fail-safe firmware upgrade
- End user management via web interface
- Reset button for factory default settings

By End-user

Desktop GUI

General features

- i-panel (touch) with proximity functions
- WiFi On/Off, WPS
- Easy set-up/installation
- Works with any router
- Wall mount compatible

Emissions and safety regulations

- CE approved, FCC on request
- Safety:
 - IEC EN 60950
 - IEC EN 60825-1:2001-08
- Laser safety:
 - IEC EN 60825-1: Class 1 laser
- Emissions & Immunity:
 - EN 55022/CISPR 22:2008, Class B
 - EN 55024
- RoHS/WEEE marking:
 - Compliant with 2002/95/EC

Status LEDs

- Device Status
- Internet/Uplink
- WiFi (2.4 GHz, 5 GHz)
- WPS



Package content

- Pulse
- AC adapter
- Quick installation guide

Genesis Pulse product models

Model	Type	WLAN interface	Connectivity	WPS
Pulse	In-Home WiFi Repeater/Extender	2,4 GHz WiFi Access with internal MIMO 2x2 antennas 5 GHz WiFi Access with internal MU-MIMO 4x4 antennas	1x WAN, 1x LAN, 1x USB 2.0, Power AC	Yes

Note: Not every listed feature may be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.